ABSTRACT OF THE DISCLOSURE

A mechanism for managing network devices using a server with multiple network interfaces includes management agents executing on managed devices, wherein all the agents that share a single instance of a management server, or that are logically partitioned, are said to be in a single "server context". Each server context can manage devices from any of multiple network interfaces of a server machine, that are associated with a given server context. Managed devices that are registered to be managed as part of a given server context are managed based on policies associated with the server context. Managed devices that are registered to be managed through one network interface of a server context of the management server may be communicatively isolated from managed devices that are registered to be managed through another network interface of the same server context of the management server.